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1.

A method according to claim ¹~~6~~², in which the compensating variable is retrieved from a stored table of associated input power change values and temperature values of the motor in dependence on the temperature of the motor.

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8.

A method according to claim ¹~~6~~², in which a table that contains the pressure change of the pump at different input powers of the motor at the time the operating temperature of the motor is reached is empirically prepared and stored, and from the table a pressure change is retrieved in dependence on the actual value of the input power as a compensating variable during the regulation.

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9.

A method according to claim ¹~~6~~², in which from the compensating variable and a frequency control variable an approximate actual speed value is calculated, which, together with a desired pressure value, is used to retrieve an accompanying desired input power value from a stored, empirically prepared table of associated values of input power and speed of the motor.

10. A method for regulating a delivery variable of a pump, which is driven by an electric motor operated with alternating current of variable frequency via a converter, comprising the steps of measuring input power of the motor as an actual value for the delivery variable, regulating the input power by comparison with a desired value, determining empirically associated values of the input power and speed of the motor at a predetermined desired pressure value, storing the associated values as a table, and, during operation, retrieving a value of the input power belonging to a measured or approximately calculated speed of the motor from the table as the desired value for regulating the input power.

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